

FCVF-A / FCQN-E SERIES

Cooling Only & Heat Pump



R-32

R-410A

New eight way discharge panel

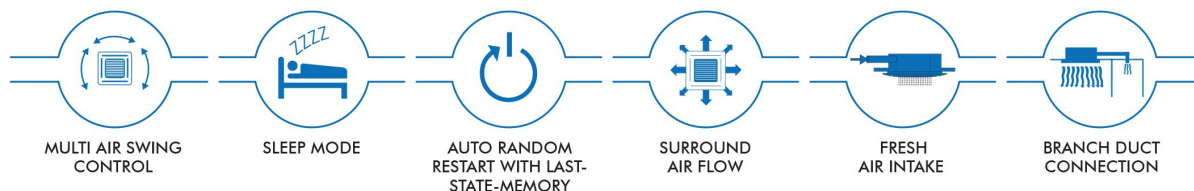
* Cooling Only
** Heat Pump



FCVF-A PANEL



FCQN-E PANEL



FCVF18~48 (COOLING ONLY) ¹	5.3 KW ~ 13.3KW	Cooling R-32
	9.0 KW ~ 13.2 KW	Cooling R-410A
	9.8 KW ~ 14.1 KW	Heating R-410A
FCQN90~125 (HEAT PUMP)		

ACCESSORY REQUIRED FOR INDOOR UNIT

Wireless handset

Standard



BRC52B62
(Cooling Only)

BRC52A61
(Heat Only)

Wired handset

Option



BRC51A62
(Cooling Only)

BRC51A61
(Heat Pump)

1 TR (Tons of Refrigeration) = 3.517 kW

SPECIFICATIONS (Contd.)

Ceiling Mounted 3 x 3 Cassette Type (Cooling Only)



Model				Indoor	FCVF18ARV16	FCVF24ARV16	FCVF30ARV16	FCVF36ARV16	FCVF42ARV16	FCVF48ARV16		
				Outdoor	RGVF18ARV16	RGVF24ARV16	RGVF30ARV16	RGVF36ARV16	RGVF42ARV16	RGVF48ARV16		
Remote	Wireless	Optional	BRC52B62									
	Wired	Optional	BRC51A62									
Panel Code	Model Number			BC50F3XW6								
Nominal Cooling Capacity				Tonnage	1.5	1.9	2.4	2.7	3.5	3.8		
				Btu/hr	18084	22860	29029	32102	42027	45630		
				kw	5.3	6.7	8.5	9.4	12.3	13.4		
Nominal Total Input Power (Cooling)				w	1536	1942	2464	2724	3750	4607		
Annual Power Consumption				Kwh	1189.03	1503.32	1907.04	2109.44	NA	NA		
ISEER				w/w	3.45	3.45	3.45	3.45	3.28	2.9		
BEE Star Level					2	2	2	2	NA	NA		
Power Source				V/Ph/Hz	230V/1/50				415 / 3 / 50			
Refrigerant Type					R-32							
Indoor	Air Flow	High	CFM	High	730	890	1030	1030	1120	1120		
		Medium		Medium	620	760	870	870	1030	1030		
		Low		Low	510	620	730	730	890	890		
		Quiet		Quiet	360	490	580	580	760	760		
	Sound Pressure Level	High	dBA	High	38	41	46	46	48	48		
		Medium		Medium	35	38	41	41	45	45		
		Low		Low	33	35	37	37	41	41		
		Quiet		Quiet	29	32	34	34	37	37		
	Unit Dimension [Panel]	Height	mm	Height	246[304]	246[304]	288[346]	288[346]	288[346]	288[346]		
		Width	mm	Width	840[950]	840[950]	840[950]	840[950]	840[950]	840[950]		
Depth		mm	Depth	840[950]	840[950]	840[950]	840[950]	840[950]	840[950]			
Outdoor	Unit Weight [Panel]		kg		22[5]	22[5]	25[5]	25[5]	25[5]	29[5]		
	Unit Dimension			mm	Height	595	595	990	990	990		
				mm	Width	845	845	940	940	940		
				mm	Depth	300	300	320	320	320		
	Unit Weight		kg		40	45	68	71	74	74		
	Pipe Connection		Type	Flare								
			Liquid	mm	φ6.4	φ6.4	φ9.5	φ9.5	φ9.5	φ9.5		
			Gas	mm	φ12.7	φ15.9	φ15.9	φ15.9	φ15.9	φ15.9		
Max Piping Length				m	20	20	20	20	30	30		
Max Piping Elevation				m	10	10	10	10	15	15		

Note:

1. Rated cooling capacities are based on the following conditions: Return air temp.: 27°CDB, 19.0°CWB, Outdoor temp.: 35°CDB, 24°CWB Equiv. ref. piping: 7.5m (Horizontal)
2. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Ceiling Mounted 3 x 3 Cassette Type (Heat Pump)

R-410A

Model Name			90	100	125
	Indoor unit		FCQN90EXV16	FCQN100EXV16	FCQN125EXV16
	Outdoor unit		RQ90DGXY16	RQ100DGXY16	RQ125DGXY16
Remote	Wireless	Optional	BRC52A61		
	Wired	Optional	BRC51A61		
Panel Code	Model Number		BYC50EXW6		
Power supply			380-415/3/50	380-415/3/50	380-415/3/50
Cooling Capacity (Rated)	Cooling	Btu/h	31000	39000	45000
	Heating	Btu/h	33400	39000	48000
Power consumption	Cooling	kW	2.77	3.84	4.39
	Heating	kW	2.55	3.61	4.01
Indoor unit	Colour		White	White	White
	Air ow rate (H/M/L/SL)		cfm	1030/860/740/620	1200/1030/930/780
	Sound level (H/M/L/SL)		dB(A)	47/44/40/36	49/45/43/39
	Dimensions (H x W x D)	Unit	mm	300 x 820 x 820	300 x 820 x 820
		Panel	mm	75 x 990 x 990	75 x 990 x 990
	Machine weight	Unit	kg	31	31
		Panel	kg	4	4
Outdoor unit	Compressor	Type	Scroll	Scroll	Scroll
	Refrigerant charge (R-410A)		kg	1.93	2.33
	Sound level	Cooling	dB(A)	58	60
	Dimensions (H x W x D)		mm	852 x 1030 x 400	852 x 1030 x 400
	Machine weight		kg	86	98
	Certified operation range	Cooling	°CDB	19°C~46°C	19°C~46°C
		Cooling	°CWB	-9°C~18°C	-9°C~18°C
Piping connections	Liquid (Flare)	mm	φ9.52	φ9.52	
	Gas (Flare)	mm	φ15.88	φ15.88	
	Drain	mm	φ19.05	φ19.05	
Max. interunit piping length		m	45	45	
Max. installation level difference		m	25	25	

Note:

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping: 7.5 m (horizontal).
2. Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, outdoor temp. 7°CDB, 6°CWB. Equiv. refrigeration piping: 7.5 m (horizontal).
3. Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.